

# WILLIAM BAILEY

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## PRODUCT MANAGER INTERN

### EDUCATION

**Wake Forest University School of Business**, Winston-Salem, NC  
Master of Science in Business Analytics, May 2026

**Wake Forest University**, Winston-Salem, NC

Master of Science in Computer Science, May 2025 | Bachelor of Science in Computer Science, May 2024

### AREAS OF EXPERTISE

Leadership | Product Management | Data Analysis | SQL | Python | Feature Development | Agile Methodologies | Communication Problem-Solving Design | Recommendation Systems | Data-Driven Decision Making | Analytics | Project Management Workflow Optimization | QA Collaboration | Product Strategy | Market Insights | Creative Problem Solving | Discover Platform Dashboard Design | Data Storytelling | Curiosity | Organizational Skills | Machine Learning | Teamwork | Algorithm Design

### TECHNICAL SKILLS

**Programming Languages:** Python, Java, SQL, Nintex, Linux

**Classroom Experience with:** HTML, CSS, Javascript, C, C#, C++, Swift, Kotlin, R, Assembly Language, Unity

**Work in AI:** Reinforcement Learning (Graduate level), Machine Learning (Undergraduate level)

**Cloud Services (Classroom Work):** Google Cloud, AWS, Microsoft Azure

**Analytical Software & Tools:** MySQL, MATLAB (Numerical Computing), Ansible, Rapid7, Wildfire, Microsoft Defender, Nintex, Microsoft Power Automate, Microsoft Excel, Microsoft Word

### PROFESSIONAL EXPERIENCE

#### SYSTEMS INTERN | Wake Forest University

*Jan 2025 – May 2025*

- Developed 10+ Ansible playbooks to automate user setup, package installations, and configuration management across Linux servers, reducing manual setup time by 40%.
- Configured an NVIDIA GPU machine with LVM and a custom systemd unit for nvidia-persistenced, ensuring a stable runtime environment and improving GPU stability by 15%.
- Scanned 254 IPs using nmap to identify active hosts and open ports, supporting network diagnostics and enhancing security posture by uncovering potential vulnerabilities.

#### TECHNOLOGY INTERN | The Brookings Institute: Automation

*May 2024 – Aug 2024*

- Managed automation software that handled over 100 instances and 2,500 actions per day.
- Lead analyst on a comparison between two different automation software packages by reporting to a Senior Project Manager.
- Created internal documentation for in-house processes and interaction with various software and hardware.

#### TECHNOLOGY INTERN | The Brookings Institute: Cybersecurity

*May 2023 – Aug 2023*

- Created python scripts that integrated the InsightVM Rapid7 API to help automate the threat analysis of over 1000 assets a week, ensuring the safety of employees across the company
- Oversaw in-house email threat detection, which included analysis of over 10 emails a day to stop potential threat actors
- Located, investigated, and reacted to more than 5 security threats a week with Microsoft Defender and other internal tools

#### TECHNOLOGY INTERN | Radius Networks

*May 2022 – Aug 2022*

- Updated iOS documentation by creating applications that implemented and tested Radius Networks API
- Tested setup configurations for Radius products and used a Python Script to help automate the process
- Temperature tested Radius hardware to understand how high temperatures affect product accuracy and effectiveness

### LEADERSHIP EXPERIENCE

#### Teacher's Assistant

*Aug 2024 - Sep 2025*

- Supported Computer Science professor in leading office hours while providing academic guidance to reinforce course material and improve student performance

#### Fraternity Founder, IFC Representative, Standards Board Secretary

*Aug 2022 - Jan 2022*

- Structured, Facilitated, and Founded a new Fraternity on Wake Forest Campus with an emphasis on Service and Leadership
- Voted into a role as both a member of the standards board by listening to and dealing with breaches of fraternity regulations, and to become a chapter representee on the Wake Forest Inter-Fraternity Council

#### Wake Forest University Symphony Orchestra

*Aug 2020 - May 2025*

- Worked on the 2025, Wake Forest *We Play Together: Music and Gaming* planning committee to organize space, times, and organizational aspects of the event
- Practiced at least 10 hours individually and as an ensemble per week to ensure performances are played with excellence
- Worked in sectionals with more than 10 other violinists to make sure our section played cohesively and in-time